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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

re Application of:

Meinhard SCHWAIGER

Serial No.: 10/533,898

Filed: August 11, 2005

DEVICE FOR COOLING AND CALIBRATING PLASTIC PROFILED PIECES

) PATENT

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) GROUP: 1722

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) EXAMINER: LEYSON, J. S.

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) CUSTOMER NO.: 25269

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) CONFIRMATION NO.: 8009

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REQUEST FOR RECONSIDERATION

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

November 8, 2007

Sir:

The inventor has received the final Office Action of August 9, 2007 and has reviewed the examiner's new rejections against the claims. He believes these rejections are incorrect.

The examiner has rejected claims 14-20 and 28 under 35 U.S.C. 103(a) as being unpatentable over Griff in view of Recknagel; he has rejected claims 21 and 22 over these same two references, further in view of Takahashi; he has rejected claim 24 under 35 U.S.C. 103(a) as being unpatentable over these same two references, further in view of Kessler; he has rejected claim 26 under 35 U.S.C. 103(a) as being unpatentable over these same two references, further in view of Racioppi et al.; he has rejected claim 27 under 35 U.S.C. 103(a) as being unpatentable over these same two references, further in view of Preiato et al.; and he has rejected claim 29 under 35 U.S.C. 103(a) as being

unpatentable over these same two patents, further in view of SU 1224162.

Griff discloses an extrusion apparatus wherein an extruded profile is passed through a sleeve within an elongated chamber that has water supplied thereto and drained (see second drawing of Fig. 3.7). A pipe for creating a vacuum within the sleeve is directly connected to the sleeve.

Recknagel discloses an apparatus for cooling and sizing hot thermoplastic extrudates which includes a porous sleeve 5 located in a chamber 4, a profile extruded from die 3 passing through the sleeve. Pressurized water is supplied to sleeve 5 via pump 10 and water is supplied to chamber 4 through valve 11. A pump 8 and venturi 9 create vacuum in the chamber 4 via down pipe 12.

However, the pump 8, venturi 9 and down pipe 12, operating as a vacuum system, are not directly connected to the sleeve 5.

Thus, it would not be obvious to use this vacuum system in Griff, where the vacuum pipe is shown directly connected to the sleeve.

And nothing in Takahashi, Kessler, Racioppi et al., Preiato et al., or SU 122462 would overcome this deficiency in the examiner's attempted combination of Griff and Recknagel.

It is submitted that the examiner's rejection of claim 14 based on Griff in view of Recknagel should be withdrawn.

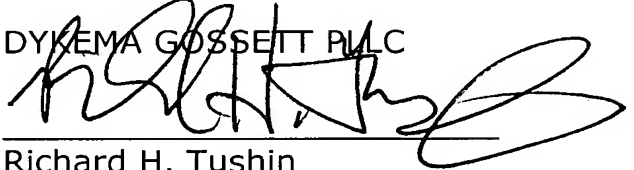
It should be also noted that the features of claim 19 are not suggested. The recited thinness of the sleeve wall is essential to providing a complex sleeve configuration.

Favorable reevaluation is requested.

Respectfully submitted,

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